Learning outcomes for academic modules (EC-ACP)

**History taking and physical assessment**
- Elicit a focused history to establish the possible cause of the presentation in all ages
- Establish relevant previous history including drug history and social elements that may contribute to a presentation
- Gather relevant information from a range of other sources including relatives, carers and medical records particularly where this may be sensitive information
- Recognise the challenges of gathering complex and sensitive information
- Demonstrate an accurate physical examination of all body systems in simple and complex situations in all ages and consider the findings in the context of the patient presentation
- Synthesise the findings of the history and examination to make a differential diagnosis and formulate a management plan
- Demonstrate judgement in communication and data gathering within the patient encounter and make appropriate recordings
- Distinguish and articulate the difference between normal and abnormal in the context of the patient presentation
- Ensure patient privacy, dignity and confidentiality is maintained throughout the clinical assessment
- Critically consider the place of the skills of history taking and physical examination within the context of advanced clinical practice

**Pharmacology**
- Demonstrate a comprehensive knowledge of the cellular mechanisms of drug action and physiologic outcomes
- Describe the mechanisms of absorption distribution, metabolism and excretion of drugs and the relevance of this to medicines management in the clinical setting
- Demonstrate a knowledge of the clinical use of drugs in the diagnosis, prevention and treatment of disease in all ages
- Critically evaluated the effectiveness of drug actions and demonstrate expertise in applying this to the management of patients of all ages
- Appraise comprehensive sources of information, advice and decision support in medicines management
Clinical decision making and diagnostics

- Demonstrate an understanding of the decision making process in advanced clinical practice
- Utilise a range of sources of knowledge and information as well as decision support tools to come to a sound clinical judgement
- Critically evaluate decision support tools in the clinical context to support rapid decision making and resuscitation in all ages
- Manage uncertainty and the associated risks in the diagnostic process and communicate this appropriately with the patient
- Engage the patient in shared decision making providing sufficient and clear information to support the decision making
- Communicate and record the rationale for decision making to others when making a decision and the importance of that record
- Evaluate decisions in the light of the clinical outcome
- Critically evaluate the contribution of clinical tests (laboratory, imaging and near patient testing) to the clinical decision making in the light of accuracy and cost of those clinical tests as well as the epidemiology of the condition
- Utilise clinical tests in an effective manner to supplement the clinical assessment. This will require reviewing the risks of over or under utilisation of investigations, statistical utility of investigations balancing the cost with benefit to maximise the impact on patient care